

INTERNATIONAL SEARCH REPORT

International application No.
PCT/SE 2004/001011

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: H02P 8/044, H02M 7/48

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: H02P, H02M, B60L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE, DK, FI, NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA, PAJ, FULLTEXT

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0645278 A1 (TOYOTA JIDOSHA KABUSHIKI KAISHA), 29 March 1995 (29.03.1995), page 4, line 41 - page 6, line 12 --	1-16
A	US 5497070 A (MASAYUKI FURUTANI ET AL), 5 March 1996 (05.03.1996), column 3, line 60 - column 5, line 20. --	1-16
A	US 3875483 A (JAMES B. FARR), 1 April 1975 (01.04.1975), column 8, line 25 - line 33 --	1-16
A	WO 0189070 A1 (SIEMENS AKTIENGESELLSCHAFT), 22 November 2001 (22.11.2001), abstract --	1-16

Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search
14 Sept 2004

Date of mailing of the international search report

08-10-2004

Name and mailing address of the ISA/
Swedish Patent Office
Box 5055, S-102 42 STOCKHOLM
Facsimile No. + 46 8 666 02 86

Authorized officer

Irma Bornhede/MN
Telephone No. + 46 8 782 25 00

INTERNATIONAL SEARCH REPORT

Information on patent family members

31/07/2004

International application No.
PCT/SE 2004/001011

EP	0645278	A1	29/03/1995	DE	69415754	D,T	17/06/1999
				JP	3094745	B	03/10/2000
				JP	7095703	A	07/04/1995
				US	5550445	A	27/08/1996
US	5497070	A	05/03/1996	JP	3063441	B	12/07/2000
				JP	6065711	U	16/09/1994
				JP	6217413	A	05/08/1994
				US	5412251	A	02/05/1995
				JP	6079713	U	08/11/1994
				JP	6245324	A	02/09/1994
US	3875483	A	01/04/1975	AR	198401	A	21/06/1974
				BE	793614	A	02/07/1973
				BR	7300028	D	00/00/0000
				CA	975454	A	30/09/1975
				DE	2263991	A	12/07/1973
				FR	2167588	A,B	24/08/1973
				IT	974212	B	20/06/1974
				JP	48077305	A	17/10/1973
				NL	7217797	A	05/07/1973
WO	0189070	A1	22/11/2001	DE	10024853	A	29/11/2001